APPENDIX XII

INSPECTON SCHEDULE AND CHECKLISTS

FOR

SIEMENS INDUSTRY, INC.

PARKER REACTIVATION FACILITY

PARKER, ARIZONA

Revision 1
April 2012

Siemens Industry, Inc.

DAILY RCRA INSPECTION CHECKLIST **40 CFR 264.15**

CONTAINER STORAGE AREA	Acceptable	Unacceptable	Notes
RCRA containers closed during storage			
RCRA containers have required labels			
Check for leaking RCRA containers			
Check storage pad - free of cracks and gaps that would prevent a spill from being contained			
Aisles not blocked and allow inspection			
Sump clean and free of contamination			
Containers in compliance with Subpart CC			

NOTE: Response to Container leaks/spills shall be in accordance with 40 CFR 264.1086(c)(4)(iii).

UNLOADING PAD

Check for cracks/gaps and spills			

STORAGE TANK SYSTEMS/ANCILLIARY EQUIPMENT **(SEE GUIDANCE DOCUMENT FOR SPECIFIC DETAILS ON ANCILLARY EQUIPMENT)**

T-1 Valves/Leaks/Piping Outside Secondary Containment			
T-1 Tank Corrosion/Signs of Leakage			
T-1 Waste Feed Cutoff (Overfill Control)- Proper Operation			
T-2 Valves/Leaks/Piping Outside Secondary Containment			
T-2 Tank Corrosion/Signs of Leakage			
T-2 Waste Feed Cutoff (Overfill Control) - Proper Operation			
T-5 Valves/Leaks/Piping Outside Secondary Containment			
T-5 Tank Corrosion/Signs of Leakage			
T-5 Waste Feed Cutoff (Overfill Control) - Proper Operation			
T-6 Valves/Leaks/Piping Outside Secondary Containment			
T-6 Tank Corrosion/Signs of Leakage			
T-6 Waste Feed Cutoff (Overfill Control) - Proper Operation			
T-18 Valves/Leaks/Piping			
T-18 Tank Corrosion/Signs of Leakeage			
T-18 Waste Feed Cutoff (Overfill Control) - Proper Operation			
T-18 Internal Tank Integrity/Internal Tank Free of Leaks			

NOTE: Inspections to be conducted according to 40 CFR 264.195. Response to Tank System leaks/spills shall be in accordance with 40 CFR 264.196.

Secondary Containment - Free of Cracks and Gaps			

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DAILY RCRA INSPECTION CHECKLIST **40 CFR 264.15**

Secondary Containment Sump - Clean and Free of Contaminants			

Carbon adsorption systems (WS-1, WS-2, WS-3) - Check for leaks, proper operation.			

TRANSFER EQUIPMENT

Hopper H-1 - Leaks/Corrosion			
Hopper H-2 - Leaks/Corrosion			

THERMAL TREATMENT SYSTEM

RF-2 Associated Equipment - Dewater Screw Corrosion			
RF-2 Associated Equipment - Weigh Belt Corrosion			
RF-2 Furnace for leaks and fugitive emissions			
RF-2 APC Equipment (Afterburner, Quench/Venturi, Packed bed, WESP, ID Fan, Pumps, etc.) for leaks, drips, spills			
CEMS Operation - Calibration - Proper Working Order			
Process monitoring instrument readouts (Control Room) - Proper Operation			
Alarms - Proper Working Order			

SAFETY EQUIPMENT

Telephone - Proper Working Order			
Lighting - Proper Operation			
SCBA's/Escape Pack - Filled Properly			
Cell Phone - Proper Working Order, charged.			

Date: _____ **Inspector:** _____

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WEEKLY RCRA INSPECTION CHECKLIST **40 CFR 264.15**

CONTAINER STORAGE AREA	Acceptable	Unacceptable	Notes
RCRA containers closed during storage			
RCRA containers have required labels			
Check for leaking RCRA containers			
Check storage pad - free of cracks and gaps that would prevent a spill from being contained			
Aisles not blocked and allow inspection			

NOTE: Response to Container leaks/spills in accordance with 40 CFR 264.1086(c)(4)(iii).

UNLOADING PAD

Check for cracks/gaps and spills			

FUEL STORAGE

Propane Tank - Proper Working Order			
Gas/Diesel Storage - Proper Storage			
Flammable Cabinet - Grounded/Vents			

SECURITY FENCE

Security Fence - No Breaks/Holes			

DUST COLLECTION SYSTEM

Hopper Dust Collector - Bag Condition/Pressure Drop			

Date: _____ **Inspector:**_____

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MONTHLY RCRA INSPECTION CHECKLIST **40 CFR 264.15**

SAFETY EQUIPMENT	Acceptable	Unacceptable	Notes
Eyewash/Shower - Pressure/Sanitation/Walkways Open			
Respirators - Proper Inventory/Inspection			
Spill Control Equipment - Accessable, Inventory			
Paging System - Proper Working Order			
Fire Extinguishers - Pressure Check			
Emergency Lighting - Proper Operation			
Fire Protection System - Alarms/Proper Water Pressure			

WASTE FEED CUT-OFF TEST

Furnace Feed Rate			
Minimum Afterburner Temperature			
Minimum Venturi/Quench Total Flow			
Minimum Venturi Pressure Drop			
Minimumj Packed Bed pH			
Minimum WESP Secondary Voltage			
Maximum Stack Flow			
Maximum CO Correct to 7% Oxygen			
Maximum Chlorine Feed Rate (12-Hr)			
Maximum Mercury Feed Rate (12-Hr)			
Maximum Semivolatile Feed Rate (Cd+Pb) (12-Hr)			
Maximum Volatile Feed Rate (As + Be + Cr) (12-Hr)			

Date: _____ **Inspector:**_____

Inspection Points for Storage Tank Systems
Ancillary Equipment

H1: From the hopper to the warehouse wall there are:
8 – Victaulic Couplings (or equivalent)

T1: From the warehouse wall to the spent carbon storage containment pad:
5 – Victaulic Couplings (or equivalent)

T2: From the warehouse wall to the spent carbon storage containment pad:
5 – Victaulic Couplings (or equivalent)

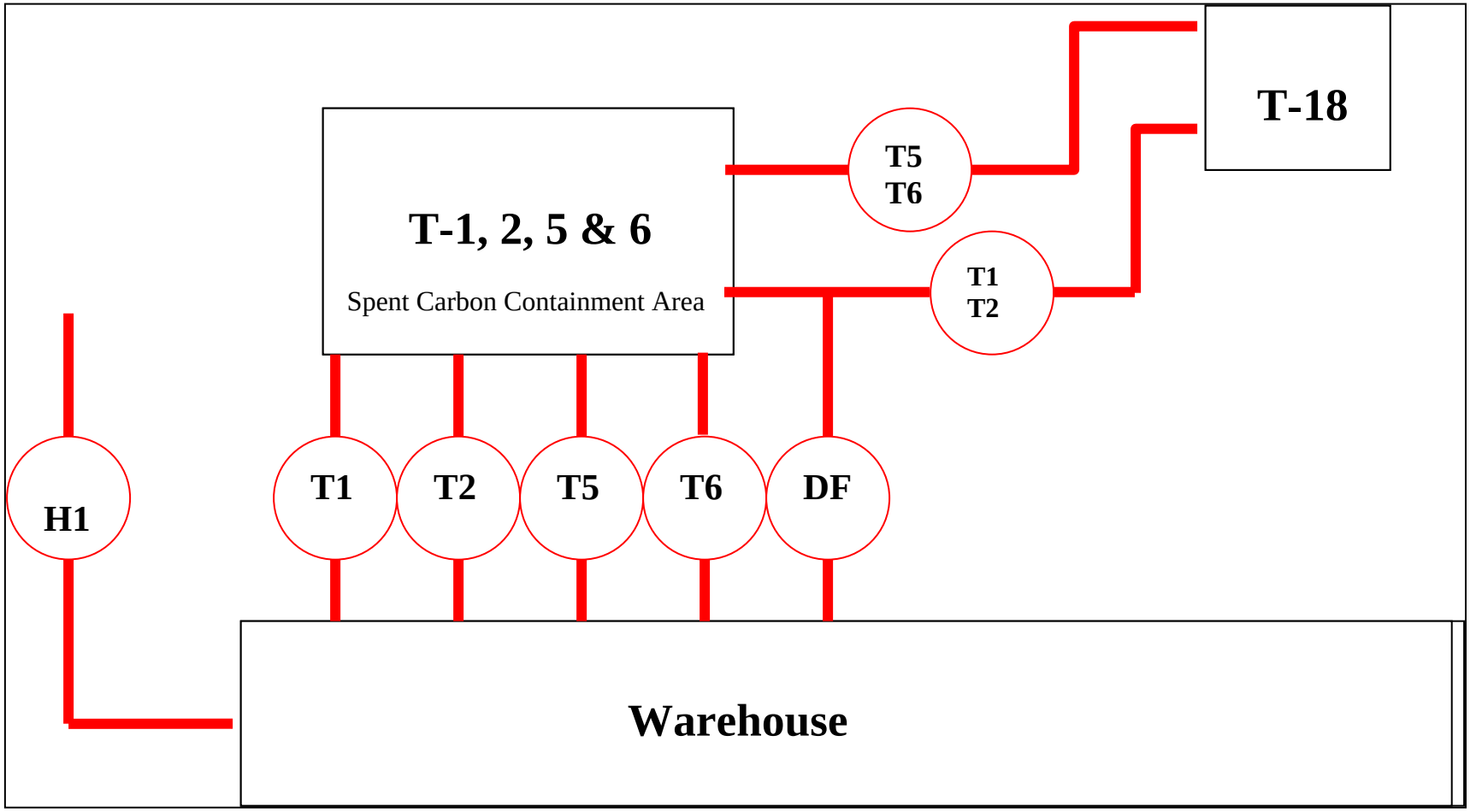
T5: From the warehouse wall to the spent carbon storage containment pad:
6 – Victaulic Couplings (or equivalent)

T6: From the warehouse wall to the spent carbon storage containment pad:
5 – Victaulic Couplings (or equivalent)

T5 / 6: From the spent carbon storage containment pad to T-18:
13 – Victaulic Couplings (or equivalent)
2 – Ball Valves
1 – Pipe Tee
6 – Welded Flanges
1 – Air Connection
1 – Bushing Reducer

T1 / 2: From the spent carbon storage containment pad to T-18:
16 – Victaulic Couplings (or equivalent)
2 – Ball Valves
1 – Pipe Tee
6 – Welded Flanges
1 – Air Connection
1 – Sanitary Y Pipe

DF: Direct Feed Bypass line direct from H-2 to T-1 feed line for T-18:
3 – Victaulic Couplings (or equivalent)
1 – Gate Valve
2 – Welded Flanges
2 – Welded Male Cam & Groove Connections
1 – Soft Plumbing with Female Cam & Groove Connections at each end.



Schematic of Piping/Fittings/Couplings to be Inspected